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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/789,444	02/27/2004	David Shaver	48550/P003US/10309896	5009
29053	7590 12/28/2004		EXAMI	NER
DALLAS OFFICE OF FULBRIGHT & JAWORSKI L.L.P. 2200 ROSS AVENUE			NGUYEN, SON T	
SUITE 2800			ART UNIT	PAPER NUMBER
DALLAS, TX 75201-2784			3643	

DATE MAILED: 12/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)
•	10/789,444	SHAVER ET AL.
Office Action Summary	Examiner	Art Unit
	Son T. Nguyen	3643
The MAILING DATE of this communication	appears on the cover sheet wit	th the correspondence address -
Period for Reply		
A SHORTENED STATUTORY PERIOD FOR RETHE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, and I no period for reply is specified above, the maximum statutory period in the set or extended period for reply will, by some and the set or extended period for reply will, by some set of the set of th	DN. R 1.136(a). In no event, however, may a re n. a reply within the statutory minimum of thirty eriod will apply and will expire SIX (6) MONT statute, cause the application to become AB	reply be timely filed (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 2	27 February 2004.	
	This action is non-final.	
3) Since this application is in condition for allo	owance except for formal matte	ers, prosecution as to the merits is
closed in accordance with the practice und	ler <i>Ex parte Quayl</i> e, 1935 C.D.	. 11, 453 O.G. 213.
Disposition of Claims		
4) Claim(s) 1-10 is/are pending in the applica	ation.	
4a) Of the above claim(s) is/are with	ndrawn from consideration.	
5) Claim(s) is/are allowed.		
6)⊠ Claim(s) <u>1-10</u> is/are rejected.	•	
7) Claim(s) is/are objected to.		•
8) Claim(s) are subject to restriction are	nd/or election requirement.	
Application Papers		
9)☐ The specification is objected to by the Exar	miner.	
10)⊠ The drawing(s) filed on <u>27 February 2004</u> is	s/are: a)⊠ accepted or b)□ o	objected to by the Examiner.
Applicant may not request that any objection to	the drawing(s) be held in abeyan	ce. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the co	rrection is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11)☐ The oath or declaration is objected to by the	e Examiner. Note the attached	Office Action or form PTO-152.
Priority under 35 U.S.C. § 119		,
12)☐ Acknowledgment is made of a claim for for	eign priority under 35 U.S.C. §	119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:		
1. Certified copies of the priority docum		
2. Certified copies of the priority docum		•
3. Copies of the certified copies of the	·	received in this National Stage
application from the International Bu	` ' ' '	
* See the attached detailed Office action for a	a list of the certified copies not i	received.
Attachment(s)	□	
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)		ummary (PTO-413))/Mail Date
3) Information Disclosure Statement(s) (PTO-1449 or PTO/St		formal Patent Application (PTO-152)

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DETAILED ACTION

Drawings

1. The drawings are objected to because refs. 100 & 200 are designated as growth medium but do not appeared to be so on the drawings. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1,3-6,9 are rejected under 35 U.S.C. 102(b) as being anticipated by Boucher et al. (US 4176494).

For claim 1, Boucher et al. teach a method for growing a plant comprising the steps of: planting said plant in a growth medium (as shown in fig. 1 and in col. 2, lines 11-15)); twisting at least two plant vines of said plant together to form a growing unit (as shown in fig. 1); and maintaining said growing unit during the growth and production cycles of said plant (inherent to maintain plant growth throughout production cycles to produce healthy plant).

For claim 3, Boucher et al. teach wherein said twisting step comprises the step of twisting said at least two plant vines together around a flexible material 1 (col. 1, line 64).

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For claim 4, Boucher et al. teach a yield maximization system comprising: a growth medium for sustaining the growth of a plant, said plant having vines growing from a single root system (col. 2, lines 11-15 teach a plant such as tomato and shown in fig. 1 the tomato plant having vines that are twisted around the stake 1); and supports 1 for twisting at least pairs of vines around individual ones of said supports.

For claim 5, Boucher et al. teach wherein said supports comprise: a flexible material 1 (col. 1, line 64) having one end tied around the base of said plant (fig. 1, near ref. 1 at clasp 3) and the opposite end supported above said vines (fig. 1).

For claim 6, Boucher et al. teach a method for growing a plant, said method comprising: twisting at least two plant vines of said plant around a flexible material 1 (as mentioned above); and securing said flexible material, wherein said at least two plant vines are twisted vertically around said flexible material.

For claim 9, Boucher et al. teach a method for growing a plant comprising: planting a plant in a growth medium, wherein plant vines are produced from said plant (tomato plant); and attaching at least a pair of said plant vines to one another with a flexible material 1. See fig. 1.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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5. Claims 2 & 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Boucher et al. (as above).

For claim 2, Boucher et al. teach wherein said maintaining step comprises the steps of: securing one end of a flexible material at the base of said plant (fig. 1 near ref. 1). However, Boucher et al. are silent about twisting said flexible material around said growing unit. It would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the step of twisting said flexible material around said growing unit in place of twisting the vines around the flexible material as taught by Boucher et al., since it is has been held that a mere reversal of the essential working parts of a device involves only routine skill in the art.

For claim 10, Boucher et al. teach wherein said attaching step comprises; securing one end of said flexible material at the base of said plant (fig. 1 near ref. 1); and securing the opposite end of said flexible material to the plant (fig. 1, the top most clasp 3). However, Boucher et al. are silent about securing the opposite end of said flexible material at a height taller than said plant. It would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the step of securing the opposite end of said flexible material at a height taller than said plant in the method of Boucher et al., in order to fully support the whole height of the plant.

6. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Boucher et al. in view of Mazura (GB 2193621A).

Mazura teaches a string 1,2 to support vines. It would have been an obvious substitution of functional equivalent to substitute the stake of Boucher et al. with a string

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as taught by Mazura, since both types of support would perform to support vines of the plant.

7. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Boucher et al. in view of Tuffli (US 3739523).

Tuffli teaches a rod 34 to support vines. It would have been an obvious substitution of functional equivalent to substitute the stake of Boucher et al. with a rod as taught by Tuffli, since both types of support would perform to support vines of the plant.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Son T. Nguyen whose telephone number is 703-305-0765. The examiner can normally be reached on Mon-Fri from 9:00 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter M. Poon can be reached on 703-308-2574. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Son T. Nguyen

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Primary Examiner Art Unit 3643

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